

Electrically Heated Cigarette Smoking System

I. Non-Philip Morris Presentations/Publications

A. Current Market Product (JLI)

B. Earlier Market Products (E4)

- 1) Buchhalter, A.R.; Eissenberg, T., "Preliminary evaluation of a novel smoking system: effects on subjective and physiological measures and on smoking behavior". *Nicotine & Tobacco Research* 2: 39-43; 2000. [*in-vivo* (Human) Studies]
- 2) Buchhalter, A.R.; Schrinel, L.; Eissenberg, T., "Withdrawal-suppressing effects of a novel smoking system: comparison with own brand, not own brand, and de-nicotinized cigarettes". *Nicotine & Tobacco Research* 3: 111-118; 2001. [*in-vivo* (Human) Studies]
- 3) Herbert, R., "What's new in nicotine and tobacco research?". *Nicotine & Tobacco Research* 3/2: 97-99; 2001. [Harm Reduction Guidelines]
- 4) Institute of Medicine, *Clearing the smoke. Accessing the Science Base for Tobacco Harm Reduction*. Washington, D. C.: National Academy Press; 2001. [Harm Reduction Guidelines]
- 5) National Cancer Institute, "Risks associated with smoking cigarettes with low machine-measured yields of tar and nicotine". Smoking and Tobacco Control Monograph No. 13. Bethesda, MD: U.S. Department of Health and Human Services, National Institutes of Health, National Cancer Institute, NIH Pub. No. 02-5074; 2001. [Smoking]

II. Philip Morris Presentations/Publications

A. Current Market Product (JLI)

1. Smoke Chemistry Studies
2. *in-vitro* Studies
3. *in-vivo* (Animal) Studies
4. *in-vivo* (Human) Studies

B. Earlier Market Products (E4)

1. Smoke Chemistry Studies, Mainstream Constituents

- a) Terpstra, P.M.; Reininghaus, W.; Solana, R.P., "Evaluation of an electrically heated cigarette". *The Toxicologist* 42 (1-S): 295; 1998. (Poster)
- b) Voncken, P.; Gerstenberg, B.; Rustemeier, K.; Stabbert, R.; Patskan, G.J.; Haussmann, H.J., "Chemical analysis of selected cigarette mainstream smoke constituents for comparative product integrity testing". *Program Booklet and Abstracts 52nd Tobacco Science Research Conference* 52: 36; 1998. (Presentation)
- c) Terpstra, P.M.; Reininghaus, W., "Chemical and biological evaluation of smoke from an electrically heated cigarette". *Program and Abstracts of The 2nd Congress of Asian Society of Toxicology* 151; 2000. (Poster)
- d) Rustemeier, K.; Patskan, G.; Haussmann, H.J., "The influence of a modified puffing regimen on the yields of smoke constituents from electrically heated and conventional research cigarettes". *The Toxicologist* 54: 16; 2000. (Poster)
- e) Stabbert, R.; Schaefer, K.-H.; Biefel, C.; Rustemeier, K., "Analysis of aromatic amines in cigarette". *Program Booklet and Abstracts 55th Tobacco Science Research Conference*. 69; 2001. (Presentation)

2. Smoke Chemistry Studies, ETS Constituents

- a) Gerstenberg, B.; Stinn, W.; Reininghaus, W., "Comparison of environmental tobacco smoke from an electrically heated and a conventional cigarette". *Program Booklet and Abstracts 54th Tobacco Science Research Conference* 19; 2000. (Poster)
- b) Gerstenberg, B.; Stinn, W.; Reininghaus, W., "Comparison of environmental tobacco smoke from an electrically heated and a conventional cigarette". *The Toxicologist* 60: 431; 2001. (Poster)

2. *in-vitro* Studies

- a) Roemer, E.; Meisgen, T.J.; Tewes, F.J.; Solana, R.P., "Discrimination of cigarette mainstream smoke condensates with the *Salmonella* reverse mutation assay". *The Toxicologist* 42 (1-S): 295; 1998. (Poster)
- b) Tewes, F.J.; Veltel, D.J.; Heil, M.; Solana, R.P., "Discrimination of cigarette mainstream smoke with the neutral red uptake cytotoxicity assay". *The Toxicologist* 42: 295; 1998. (Poster)
- c) Terpstra, P.M.; Reininghaus, W.; Solana, R.P., "Evaluation of an electrically heated cigarette". *The Toxicologist* 42 (1-S): 295; 1998. (Poster)

- d) Terpstra, P.M.; Reininghaus, W., "Chemical and biological evaluation of smoke from an electrically heated cigarette". *Program and Abstracts of The 2nd Congress of Asian Society of Toxicology* 151; 2000. (Poster)

3. *in-vivo* (Animal) Studies

- a) Terpstra, P.M.; Reininghaus, W.; Solana, R.P., "Evaluation of an electrically heated cigarette". *The Toxicologist* 42 (1-S): 295; 1998. (Poster)
- b) Vanscheeuwijck, P.M.; Anskeit, E.A.; Teredesai, A.; Solana, R.P., "Equi-effect design for subchronic inhalation toxicity studies comparing conventional and novel cigarette prototypes". *The Toxicologist* 42(1-S): 295; 1998. (Poster)
- c) Terpstra, P.M.; Reininghaus, W., "Chemical and biological evaluation of smoke from an electrically heated cigarette". *Program and Abstracts of The 2nd Congress of Asian Society of Toxicology* 151; 2000. (Poster)

4. *in-vivo* (Human) Studies

Roethig, H.J.; Kinser, R.; Nelson, B.L.; Lau, R.W., "Investigation of biomarker of exposure of adult smokers smoking electrically heated and conventional cigarettes", *Society for Research on Nicotine and Tobacco 8th Annual Meeting. 2002 Rapid Communications Posters* 14; 2002. (Poster)

C. Other Accord-Related Philip Morris Publications

1. Philip Morris US Patents

a) Utility Patents

- 1) Counts, M.E., Laroy, B.C., Losee, D.B., Jr., Morgan, C.H., Smith, U., Sprinkel, F.M., Jr., and Utsch, F., V. "Flavor generating article". US 5,060,671. Issue date: October 29, 1991.
- 2) Deevi, S.C. and Sprinkel, F.M. "Electrically-powered linear heating element". US 5,093,894. Issue date: March 3, 1992.
- 3) Losee, D.B., Morgan, C.H., Sprinkel, F.M., and Utsch, F., V. "Flavor generating article". US 5,095,921. Issue date: March 17, 1992.
- 4) Counts, M.E., Hajaligol, M.R., Morgan, C.H., Smith, U., Sprinkel, F.M., and Utsch, F., V. "Flavor-delivery article". US 5,144,962. Issue date: September 8, 1992.
- 5) Losee, D.B., Morgan, C.H., Sprinkel, F.M., and Utsch, F., V. "Flavor generating article". US 5,179,966. Issue date: January 19, 1993.

- 6) Deevi, S.C. and Sprinkel, F.M. "Electrically-powered heating element". US 5,224,498. Issue date: July 6, 1993.
- 7) Grollmund, E.C. and Sprinkel, F.M. "Low mass radial array heater for electrical smoking article". US 5,228,460. Issue date: July 20, 1993.
- 8) Morgan, C.H. and Nichols, W.A. "Electrical smoking". US 5,249,586. Issue date: October 5, 1993.
- 9) Sprinkel, F.M., Jr. "Control device for flavor-generating article". US 5,261,424. Issue date: November 16, 1993.
- 10) Counts, M.E., Laroy, B.C., Losee, D.B., Jr., Morgan, C.H., Smith, U., Sprinkel, F.M., Jr., and Utsch, F., V. "Electrical smoking article". US 5,269,327. Issue date: December 14, 1993.
- 11) Deevi, S.C., Hajaligol, M.R., Herman, H., Higgins, C.T., Watkins, M.L., Waymack, B.E., and Yi, S. "Heater for an electric flavor-generating article". US 5,322,075. Issue date: June 21, 1994.
- 12) Deevi, S.C., Fleischhauer, G.S., and Keen, B.J., Jr. "Reinforced carbon heater with discrete heating zones". US 5,353,813. Issue date: October 11, 1994.
- 13) Counts, M.E. and Wrenn, S.E. "Tobacco flavor unit for electrical smoking article comprising fibrous mat". US 5,369,723. Issue date: November 29, 1994.
- 14) Higgins, C.T., Lucas, W.L., Sr., and McCafferty, H.J. "Method and apparatus for controlling the supply of energy to a heating load in an smoking article". US 5,372,148. Issue date: December 13, 1994.
- 15) Counts, M.E., Deevi, S.C., Fleischhauer, G.S., Hajaligol, M.R., Hayes, P.H., Higgins, C.T., Houck, W.G., Jr., Keen, B.J., Jr., Laroy, B.C., Lipowicz, P.J., Miser, D.E., Nichols, C.H., Stevens, W.H., Subbiah, M., Watkins, M.L., and Wrenn, S.E. "Electrical smoking system for delivering flavors and method for making same". US 5,388,594. Issue date: February 14, 1995.
- 16) Deevi, S.C. and Hajaligol, M.R. "Flat ceramic heater having discrete heating zones; in an electrically powered smoking article". US 5,408,574. Issue date: April 18, 1995.
- 17) Deevi, S.C., Hajaligol, M.R., Lieberman, P.D., Nichols, W.A., and Watkins, M.L. "Heater having a multiple-layer ceramic substrate and method of fabrication". US 5,468,936. Issue date: November 21, 1995.
- 18) Counts, M.E., Houck, W.G., Jr., Houghton, K.S., Lilly, A.C., Jr., Lipowicz, P.J., Myracle, J.L., Sprinkel, F.M., Washington, J.M., and Wrenn, S.E. "Electrical smoking article having continuous tobacco flavor web and flavor cassette therefore". US 5,479,948. Issue date: January 2, 1996.

- 19) Draucker, J.B., Hansen, C.D., Jr., Newsome, R.W., and Pham, X.M. "Step-shaped innerframe for use with short cigarettes and hinged lid box". US 5,480,025. Issue date: January 2, 1996.
- 20) Das, A. "Semiconductor electrical heater and method for making same". US 5,498,850. Issue date: March 12, 1996.
- 21) Deevi, S.C. and Lilly, A.C., Jr. "Electrically powered ceramic composite heater". US 5,498,855. Issue date: March 12, 1996.
- 22) Baggett, J.D., Jr., Clark, D.A., Cowling, P.C., Uhl, R.G., and Wrenn, S.E. "Cigarette for electrical smoking system; Automated manufacture of cigarettes". US 5,499,636. Issue date: March 19, 1996.
- 23) Collins, A.L., Counts, M.E., Fleischhauer, G.S., Houck, W.G., Jr., Keen, B.J., Jr., Losee, D.B., Jr., Nichols, C.H., Raymond, W.R., Sprinkel, F.M., Utsch, F., V, Watkins, M.L., and Wrenn, S.E. "Electrical smoking article and method for making same". US 5,505,214. Issue date: April 9, 1996.
- 24) Hajaligol, M.R. "Interdigitated cylindrical heater for use in an electrical smoking article". US 5,530,225. Issue date: June 25, 1996.
- 25) Draucker, J.B., Hansen, C.D., Jr., Newsome, R.W., and Pham, X.M. "Step-shaped innerframe for use with short cigarettes and hinged lid box". US 5,570,779. Issue date: November 5, 1996.
- 26) Das, A., Lipowicz, P.J., and Sweeney, W.R. "Platinum heater for electrical smoking article having ohmic contact". US 5,573,692. Issue date: November 12, 1996.
- 27) Counts, M.E., Fleischhauer, G.S., Hajaligol, M.R., Hayes, P.H., Morgan, C.H., Nichols, W.A., Sharpe, D.E., and Watkins, M.L. "Heater for use in an electrical smoking system". US 5,591,368. Issue date: January 7, 1997.
- 28) Deevi, S.C., Fleischhauer, G.S., Hajaligol, M.R., Lilly, A.C., Jr., and Sikka, V.K. "Aluminum containing iron-base alloys useful as electrical resistance heating elements". US 5,595,706. Issue date: January 21, 1997.
- 29) Collins, A.L., Counts, M.E., Das, A., Deevi, S.C., Fleischhauer, G.S., Higgins, C.T., Houck, W.G., Jr., Keen, B.J., Jr., Lee Robert E III, Lilly, A.C., Jr., Losee, D.B., Jr., McCafferty, H.J., Nichols, C.H., Raymond, W.R., Ripley, R.L., Ritt, R.R., Sr., Scott, G.R., Sprinkel, F.M., Utsch, F., V, Watkins, M.L., and Wrenn, S.E. "Flavor generating article and method for making same". US 5,613,504. Issue date: March 25, 1997.
- 30) Campbell, J.M., Fleischhauer, G.S., Higgins, C.T., Ripley, R.L., Sharpe, D.E., Watkins, M.L., and Wrenn, S.E. "Inductive heating systems for smoking articles". US 5,613,505. Issue date: March 25, 1997.

- 31) Das, A., Fleischhauer, G.S., Grollmund, E.C., Houck, W.G., Jr., Lipowicz, P.J., Smith, U., Sprinkel, F.M., Washington, J.M., and Wrenn, S.E. "Electrical lighter with a rotatable tobacco supply". US 5,649,554. Issue date: July 22, 1997.
- 32) Das, A. "Semiconductor electrical heater and method for making same". US 5,659,656. Issue date: August 19, 1997.
- 33) Collins, A.L., Deevi, S.C., Fleischhauer, G.S., Gansert, R., V, Hajaligol, M.R., Hayes, P.H., Herman, H., Higgins, C.T., Keen, B.J., Jr., Laroy, B.C., and Lilly, A.C., Jr. "Tubular heater for use in an electrical smoking article". US 5,665,262. Issue date: September 9, 1997.
- 34) Adams, J.M., Braunshteyn, M.S., Counts, M.E., Dale, G.M., Harris, C.W., Jones, D.H., Keen, B.J., Jr., Sanderson, W.G., Smith, B.S., Stevenson, B.W., and Wrenn, S.E. "Cigarette and method of manufacturing cigarette for electrical smoking system". US 5,666,976. Issue date: September 16, 1997.
- 35) Higgins, C.T., Raymond, W.R., and Sprinkel, F.M. "Electrical smoking article using liquid tobacco flavor medium delivery system". US 5,666,977. Issue date: September 16, 1997.
- 36) Deevi, S.C., Hayes, P.H., Laroy, B.C., Miser, D.E., and Stevens, W.H. "Method of manufacturing an electrical heater; for use in a smoking system". US 5,692,291. Issue date: December 2, 1997.
- 37) Counts, M.E., Houck, W.G., Jr., Moore, M.A., Sanderson, W.G., Watkins, M.L., and Wrenn, S.E. "Cigarette for electrical smoking system". US 5,692,525. Issue date: December 2, 1997.
- 38) Adams, J.M., Counts, M.E., Fleischhauer, G.S., Houck, W.G., Jr., Houghton, K.S., Keen, B.J., Jr., Sanderson, W.G., and Wrenn, S.E. "Cigarette for electrical smoking system". US 5,692,526. Issue date: December 2, 1997.
- 39) Counts, M.E., Fleischhauer, G.S., Hajaligol, M.R., Hayes, P.H., Higgins, C.T., Houck, W.G., Jr., Laroy, B.C., Lipowicz, P.J., Nichols, C.H., Subbiah, M., and Watkins, M.L. "Electrical smoking system". US 5,708,258. Issue date: January 13, 1998.
- 40) Beane, T.P., Fleischhauer, G.S., Hayes, P.H., Higgins, C.T., Jones, R.E., Nelson, J.R., Jr., and Ripley, R.L. "Protective and cigarette ejection system for an electrical smoking system". US 5,726,421. Issue date: March 10, 1998.
- 41) Collins, A.L., Counts, M.E., Das, A., Deevi, S.C., Lilly, A.C., Jr., Losee, D.B., Jr., Utsch, F., V, and Watkins, M.L. "Heater element of an electrical smoking article and method for making same". US 5,730,158. Issue date: March 24, 1998.
- 42) Howell, T.M. and Sweeney, W.R. "Aerosol and a method and apparatus for generating an aerosol". US 5,743,251. Issue date: April 28, 1998.

- 43) Counts, M.E., Deevi, S., Fleischhauer, G.S., Hajaligol, M.R., Hayes, P.H., Higgins, C.T., Houck, W.G., Jr., Keen, B.J., Jr., Laroy, B.C., Lipowicz, P.J., Miser, D.E., Nichols, C.H., Stevens, W.H., Subbiah, M., Watkins, M.L., and Wrenn, S.E. "Electrical heater of an electrical smoking system". US 5,750,964. Issue date: May 12, 1998.
- 44) Counts, M.E., Houck, W.G., Jr., Moore, M.A., Sanderson, W.G., Watkins, M.L., and Wrenn, S.E. "Cigarette for electrical smoking system". US 5,816,263. Issue date: October 6, 1998.
- 45) Collins, A.L., Counts, M.E., Das, A., Deevi, S.C., Fleischhauer, G.S., Higgins, C.T., Houck, W.G., Jr., Keen, B.J., Jr., Lee Robert E III, Lilly, A.C., Jr., Losee, D.B., Jr., McCafferty, H.J., Nichols, C.H., Raymond, W.R., Ripley, R.L., Ritt, R.R., Sr., Scott, G.R., Sprinkel, F.M., Utsch, F., V, Watkins, M.L., and Wrenn, S.E. "Flavor generating article; smoking article". US 5,865,185. Issue date: February 2, 1999.
- 46) Adams, J.M., Crowe, W.J., Fleischhauer, G.S., Fournier, J.A., Hajaligol, M.R., Houck, W.G., Jr., Losee, D.B., Morgan, C.H., Naworal, J.D., Nunnally, H.N., Paine, J.B., III, Raymond, W.R., Ripley, R.L., Seeman, J., I, Sprinkel, F.M., and Watkins, M.L. "Method and apparatus for using, cleaning, and maintaining electrical heat sources and lighters useful in smoking systems and other apparatuses". US 5,878,752. Issue date: March 9, 1999.
- 47) Deevi, S.C. and Lilly, A.C., Jr. "Functionally stepped, resistive ceramic". US 5,880,439. Issue date: March 9, 1999.
- 48) Butler, N.R., Cobler, P.J., Ely, D.J., Nunnally, H.N., Sharpe, D.E., and Watkins, M.L. "Lighter actuation system". US 5,902,501. Issue date: May 11, 1999.
- 49) Baggett, J.D., Jr., Clark, D.A., Counts, M.E., Cowling, P.C., Houck, W.G., Jr., Moore, M.A., Sanderson, W.G., Uhl, R.G., Watkins, M.L., and Wrenn, S.E. "Cigarette for electrical smoking system". US 5,915,387. Issue date: June 29, 1999.
- 50) Hajaligol, M.R. and Watkins, M.L. "Electronic smoking system". US 5,934,289. Issue date: August 10, 1999.
- 51) Counts, M.E., Crowe, W.J., Felter, J.L., Fleischhauer, G.S., Hajaligol, M.R., Hayes, P.H., Houck, W.G., and Nunnally, H.N. "Heater fixture of an electrical smoking system". US 5,954,979. Issue date: September 21, 1999.
- 52) Harris, C.W., Nunnally, H.N., Ripley, R.L., Sano, M., and Smith, B.S. "Lighter actuation system". US 5,967,148. Issue date: October 19, 1999.
- 53) Baggett, J.D., Jr., Clark, D.A., Cowling, P.C., Uhl, R.G., and Wrenn, S.E. "Cigarette for electrical smoking system". US 5,988,176. Issue date: November 23, 1999.
- 54) Watkins, M. "Process control by transient thermography". US 6,013,915. Issue date: January 11, 2000.

- 55) Fleischhauer, G.S., Higgins, C.T., Losee, D.B., Nelson, J.R., Jr., Ripley, R.L., Sano, M., Sharpe, D.E., and Watkins, M.L. "Power controller and method of operating an electrical smoking system". US 6,040,560. Issue date: March 21, 2000.
- 56) Adams, J.M., Braunshteyn, M.S., Hajaligol, M.R., and Sanderson, W.G. "Heater and method for efficiently generating an aerosol from an indexing substrate". US 6,053,176. Issue date: April 25, 2000.
- 57) Banyasz, J.L., Burton, A.T., Campbell, J.M., Chan, W.G., Counts, M.E., Crowe, W.J., Fournier, J.A., Hayes, P.H., Houck, W.G., Jr., Lee Robert E III, Losee, D.B., Paine, J.B., III, Ripley, R.L., and Thomas, C.E., Jr. "Cleaning unit for the heater fixture of a smoking device". US 6,116,247. Issue date: September 12, 2000.
- 58) Fleischhauer, G. and Stevenson, B. "Brush cleaning unit for the heater fixture of a smoking device". US 6,119,700. Issue date: September 19, 2000.
- 59) Nichols, W.A. and Sprinkel, F.M., Jr. "Pump cleaning unit for the heater fixture of a smoking device". US 6,125,866. Issue date: October 3, 2000.
- 60) Fournier, J.A. and Paine, J.B. "Smoking article wrapper with improved filler". US 6,289,898. Issue date: September 18, 2001.

b) Design Patents

- 1) Gee, E.S., Lilly, A.C., Losee, D.B., Morgan, C.H., Myracle, J.L., Jr., Sprinkel, F.M., Utsch, F., V, and Whidby, J.F. "Electrical cigarette". US D346,878. Issue date: May 10, 1994.
- 2) Gee, E.S., Lilly, A.C., Losee, D.B., Morgan, C.H., Myracle, J.L., Jr., Sprinkel, F.M., Utsch, F., V, and Whidby, J.F. "Electrical cigarette". US D347,490. Issue date: May 31, 1994.
- 3) Adams, J.M. "Electrical smoking appliance". US D368,552. Issue date: April 2, 1996.
- 4) Higgins, C.T. and Minagawa, S. "Battery". US D399,484. Issue date: October 13, 1998.
- 5) Garguilo, T. "Iconic display for use on an article of manufacture". US D399,837. Issue date: October 20, 1998.
- 6) Fleischhauer, G. and Jones, R.E. "Removable heater for tobacco user's appliance". US D402,078. Issue date: December 1, 1998.
- 7) Garguilo, T. "Iconic display for use on an article of manufacture". US D402,645. Issue date: December 15, 1998.

- 8) Higgins, C.T. and Minagawa, S. "Battery". US D404,356. Issue date: January 19, 1999.
- 9) Higgins, C.T., Kuriyama, S., Sakamoto, T., Sano, M., Takada, K., Takeda, T., and Uemura, S. "Charger stand". US D417,649. Issue date: December 14, 1999.
- 10) Minagawa, S. "Desktop charger". US D420,974. Issue date: February 22, 2000.
- 11) Ishikawa, T. and Minagawa, S. "Car charger". US D424,015. Issue date: May 2, 2000.
- 12) Higgins, C.T. and Minagawa, S. "Battery". US D426,190. Issue date: June 6, 2000.
- 13) Minagawa, S. and Yamada, K. "Carrying case". US D438,003. Issue date: February 27, 2001.
- 14) Higgins, C.T., Kawakami, S., Minagawa, S., and Takeda, T. "Battery". US D438,169. Issue date: February 27, 2001.
- 15) Higgins, C.T., Kawakami, S., Minagawa, S., and Takeda, T. "Charger". US D439,219. Issue date: March 20, 2001.
- 16) Minagawa, S., Ishikawa, T., Nakai, T., Ripley, R.L., and Takeda, T. "Icon image for portion of a display screen". US D441,764. Issue date: May 8, 2001.
- 17) Higgins, C.T., Kawakami, S., and Minagawa, S. "Lighter". US D443,386. Issue date: June 5, 2001.
- 18) Higgins, C.T., Kawakami, S., Minagawa, S., Nakai, T., and Takeda, T. "Lighter". US D443,717. Issue date: June 12, 2001.
- 19) Higgins, C.T., Ishikawa, T., Kawakami, S., and Minagawa, S. "Charger". US D444,273. Issue date: June 26, 2001.
- 20) Clark, J.M., Kawakami, S., and Sakamoto, T. "Charger". US D445,760. Issue date: July 31, 2001.

2. Iron Aluminide

- a) Deevi, S.C.; Swindeman, R.W., "Yielding, hardening, and creep behavior of FeAl alloy". *Materials Science and Engineering A258*: 203-210; 1998. Presented at the International Symposium on Iron Aluminide: Alloy Design, Processing, Properties, and Applications, San Antonio, TX, Feb.14 -19, 1998.
- b) Deevi, S.C.; Zhang, W.J.; Liu, C.T.; Reddy, B.V., "The development of a ductile and creep resistant TiAl-base alloy". *MRS Fall Meeting, Boston, MA, November 27, 2000*.

- c) Deevi, S.C.; Hajaligol, M.R.; Sikka, V.K., "Thermomechanical processing of plasma sprayed FeAl-based intermetallic sheets". 2000. Presented at the ASM Materials Solutions Conference and Exposition 2000, St. Louis, MO, October 9-10, 2000.
- d) Hajaligol, M.R.; Deevi, S.C.; Sikka, V.K.; Scorey, C.R., "A thermomechanical process to make iron aluminide strip". *Materials Science and Engineering A258*: 249-257; 1998. Presented at the Power Metallurgy World Congress & Exhibitions, Granada, Spain, October 18 - 22, 1998 (#634) and at the International Symposium on Iron Aluminide: Alloy Design, Processing, Properties, and Applications, San Antonio, TX, Feb. 14 -19, 1998.
- e) Jaske, C.E.; Deevi, S.C. "Fatigue, and cyclic deformation behavior of iron aluminide", *Materials Science and Engineering A258*: 211-218; 1998. Presented at the International Symposium on Iron Aluminide: Alloy Design, Processing, Properties, and Applications, San Antonio, TX, Feb.14 -19, 1998.
- f) Jena, P.; Reddy, B.V.; Deevi, S.C.; Lilly, A.C., "Electronic structure and transport properties of Fe-Al alloys", Presented at the Intermetallics for the Third Millennium, Materials Park, OH, November 1, 1999.
- g) Lilly, A.C.; Deevi, S.C.; Gibbs, Z.P., "Electrical properties of iron aluminides". *Materials Science and Engineering A258*: 49; 1998. Presented at the International Symposium on Iron Aluminide: Alloy Design, Processing, Properties, and Applications, San Antonio, TX, Feb. 14 -19, 1998.
- h) Lilly, A.C.; Deevi, S.C.; Sikka, V.K.; Hajaligol, M.R.; Fleischhauer, G.S.; Scorey, C.R., "Development and production of FeAl-based intermetallic alloys". *Trans. Nonferrous Met. Soc. China* 9: 309-317; 1999. Presented at the 3rd International Workshop on Ordered Intermetallic Alloys and Composites, Hangzhou, China, April 4-10, 1998.
- i) Mistler, R.E.; Sikka, V.K.; Scorey, C.; McKernam, J.; Hajaligol, M., "Tape casting as a fabrication process for iron aluminide (FeAl) thin sheets". *Materials Science and Engineering A258*: 258-265; 1998. Presented at the International Symposium on Iron Aluminide: Alloy Design, Processing, Properties, and Applications, San Antonio, TX, Feb. 14 -19, 1998.
- j) Strauss, J.T.; Scorey, C.R.; McKearn, J.; Hajaligol, M.R., "Polymer atomization of iron aluminide". *Materials Science and Engineering A258*: 291-297; 1998. Presented at the International Symposium on Iron Aluminide: Alloy Design, Processing, Properties, and Applications, San Antonio, TX, Feb. 14 -19, 1998.
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3. Roethig, H.J.; Oey, J.; Nelson, B.N.; Walk, R.A., "Dose-response investigations of carboxy-hemoglobin of adult smokers smoking conventional and electrically heated cigarettes". To be presented at the Society of Toxicology annual meeting, Nashville, Tennessee, March 17-21, 2002. [CO biomarkers, *in-vivo* (Human) Studies]
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